

AMENDMENTS TO THE SPECIFICATION

Please add the following paragraph after the paragraph starting on page 5, line 10 as follows, where the underlining ("____") indicates the language being added and strikethrough ("—") or double brackets ("[[]]") indicates the language being deleted, as is applicable:

Figure 1 shows a flow chart indicating a simulation technique in accordance with an embodiment of the present invention.

Figure 2 shows a flow chart indicating a method for simulating the activities of a plurality of creatures in accordance with an embodiment of the present invention.

Please add the following paragraph after the paragraph starting on page 10, line 23 as follows, where the underlining ("___") indicates the language being added and strikethrough ("—") or double brackets ("[[]]") indicates the language being deleted, as is applicable:

Whilst the above embodiment has been described with reference to an animat, it will be appreciated any artificial autonomous agent including representations of: animals (known or imagined), vehicle (known or imagined), or robots (known or imagined) could be used in a simulation in accordance with alternative embodiments of the present invention. Such agents (or creatures) can be arranged to interact with a simulated environment that may be based on a real-world environment.

Figure 2 shows one embodiment of a method of simulating the activities of a plurality of creatures. The method comprises utilising at least two modes of simulation. A first mode is arranged (210) to simulate the activities of all of the creatures. A second mode is arranged (220) to simulate the activity of at least one of the creatures at a more detailed level than the first mode. Preferably, in one embodiment, the second mode of simulation is utilised when it is detected that one or more of the creatures simulated by the first mode is undergoing a change in environment. Accordingly, the second mode is utilised to simulate the activity of the creatures undergoing the change in environment.